DOE OUTSTANDING JUNIOR INVESTIGATOR PROGRAM AWARDEES

FISCAL YEAR	PRINCIPAL INVESTIGATOR	INSTITUTION AT TIME OF AWARD	PROPOSAL TITLE
2006	Christian Bauer	Lawrence Berkeley National Laboratory	Model independent predictions of strong interaction effects
	Hsin-Chia Cheng	California, University of at Davis	New Physics at the Energy Frontiers
	Robin D. Erbacher	California, University of at Davis	Exploiting the Energy Frontier
	Yuri Gershtein	Florida State University	Recovering the Intrinsic Electromagnetic Energy Resolution in CMS
	Sunil R. Golwala	California Institute of Technology	A Weakly-Interacting Massive Particle Dark Matter Detector Using Microwave Kinetic Inductance Phonon Sensors
	Norbert Neumeister	Purdue University	Reconstruction and Selection of Muons for Early Physics Discoveries at the LHC
	Leonardo Rastelli	New York, State University of at Stony Brook	Open Strings
	Neal Weiner	New York University	Beyond the Standard Model: The Weak Scale, Neutrino Mass and the Dark Sector
2005	Thomas Blum	Connecticut, University of	Precision $N_f = 2 + 1$ Lattice QCD Calculations
	Daniel Chung	Wisconsin, University of	Connecting Cosmology and High Energy Theory
	Glenn Horton-Smith	Kansas State University	Toward New Discoveries at Low Energy Neutrino Experiments
	Hong Liu	Massachusetts Institute of Technology	Spacelike Singularities in AdS/CFT
	Owen Long	California, University of at Riverside	A Program to Study CP Asymmetries in Penguin-Dominated B Decays at BABAR
	Lubos Motl	Harvard University	Spectrum of M-theory, Black Holes, and Matrix Theory
	Evelyn Thomson	Pennsylvania, University of	Research in High Energy Physics
2004	Albion Lawrence	Brandeis University	String Theory and the Macroscopic World
	Konstantin Matchev	Florida, University of	Searches for New Phenomena in Particle Physics and Astrophysics
	Petar Maksimovic	Johns Hopkins University	Enhancing the CDF's B physics program with a faster data acquisition system
	Yasunori Nomura	California, University of at Berkeley	Symmetry Breaking, Unification, and Theories Beyond the Standard Model
	David Casper	California, University of at Irvine	An Experimental Research Program in Neutrino Physics and Nucleon Decay
	David Berenstein	California, University of at Santa Barbara	String Theory and Large N Gauge Theories
	David Stuart	California, University of at Santa Barbara	Searches for New Phenomena in CDF-II with Forward Silicon Tracking
	Henric Krawczynski	Washington University	Using VERITAS to Explore Supermassive Black Holes and the Early Structure Formation in the Universe

2003	Mina Aganagic	Washington, University of	String Theory Dynamics with Little Supersymmetry
	Richard Gaitskell	Brown University	Development of Advanced Photo Detectors for WIMP Dark Matter Xe Detector Array
	David Kaplan	Johns Hopkins University	Physics Beyond the Standard Model and Electroweak Symmetry Breaking
	Kirill Melnikov	Hawaii, University of	Perturbative Quantum Field Theory: Methods and Applications
	Mark Messier	Indiana University	Development of an Experiment to Search for Oscillations of Muon Neutrinos to Electron Neutrinos Using the NuMI Neutrino Beam
	Kate Scholberg	MIT	Outer Detector Work on Super-Kamiokande and K2K
	Witold Skiba	Yale University	Physics at the TeV Scale and Beyond
2002	Peter Gorham	Hawaii, University of	Research in Radio-frequency Detectors for High Energy Physics and Particle Astrophysics
	Michael Hildreth	Notre Dame, University of	Optimizing Higgs Discovery Prospects at the Tevatron
	David Kirkby	Califonia, University of at Irvine	Fundamental Symmetries of B Decays
	Zoltan Ligeti	Lawrence Berkeley National Laboratory	Physics of Heavy Hadrons
	Kevin Pitts	Illinois, University of	A Stereo Tracking System for the CDF Detector
	Martin Schmaltz	Boston University	Physics Beyond the Standard Model
	Ying Wu	Duke University	3D Magnetic Field Effects on the Beam Dynamics in the Next Generation High Energy Physics Accelerators
2001	Darin Acosta	Florida, University of	Search for Fundamental Scalar Particles at Hadron Colliders
	Andrew Brandt	Texas, University of at Arlington	A Forward Proton Detector for the D Zero Experiment
	Csaba Csaki	Cornell University	Physics of Extra Dimensions
	Regina Demina	Kansas State University	Radiation Hard Silicon Layer 0 and D0 Discovery Potential
	Ulrich Heintz	Boston University	Search for the Higgs Boson with the DO Detector
	Wayne Hu	Chicago, University of	Fundamental Physics from the Cosmic Microwave Background and the Large-Scale Structure of the Universe
	Matthew Strassler	Pennsylvania, University of	At the Junction of Particle Physics, Field Theory and String Theory
	Raman Sundrum	Johns Hopkins University	Research in Theoretical High Energy Physics
	James Wells	California, Univ. of at Davis	Elucidating the Phenomenological Consequences of Electroweak Symmetry Breaking Theories
2000	Steven Gubser	Princeton University	Strings and Supergravity applied to Gauge Theory
	Lam Hui	Columbia University	The Universe as a Laboratory for New Physics
	Ashutosh Kotwal	Duke University	Precision Electroweak Measurements on CDF II
	Frank Krennrich	Iowa State University	A Search for Microsecond Gamma Ray Bursts from Primordial Black Holes
	Meenakshi Narain	Boston University	A Precision Measurement of the Top Quark Mass at the Fermilab Tevatron
	David P. Saltzberg	California, UCLA	A New Search for Ultra High Energy Neutrinos and Associated Accelerator Measurements
1999	Amihay Hanany	MIT	Outstanding Junior Investigator Program
	John D. Hobbs	New York, State Univ. of at Stony Brook	Searches for New Physics Using Events with Detached Vertices
	Joseph Kroll	Pennsylvania, University of	A Program to Study the Weak Decays of B Hadrons with the CDF Detector at the Fermilab Tevatron
	Kevin S. McFarland	Rochester, University of	Design of the CDF RUN II Level-3 Trigger and the Search for New Physics of Top Quarks
	Eva Silverstein	SLAC	String Theory, Field Theory, and Supersymmetry Breaking
	Washington Taylor	MIT	Outstanding Junior Investigator Program

1998	James H. Buckley	Washington University	A Search for High Energy Gamma-Rays from Neutralino Annihilation in the Galactic Center Region
	Paul Fendley	Virginia, University of	Non-Perturbative Quantum Field Theory
	Richard E. Hughes	Ohio State University	Top Quark Physics and the CDF-II Trigger Track Processor
	Robert G. Jacobsen	California, UCB	CP Violation Studies with Modern Software Techniques
	Marc Kamionkowski	Columbia University	Cosmological Probes of New Physics
	Juan Maldacena	Harvard University	Outstanding Junior Investigator Program "Strings and Black Holes"
	Krishna Rajagopal	MIT	Outstanding Junior Investigator Proposal for Prof. Krishna Rajagopal
1997	John M. Butler	Boston University	The DO Experiment: Particle Physics at the High Energy Frontier
	Shamit Kachru	California, UCB	Outstanding Junior Investigator Proposal for Professor Shamit Kachru
	Robert Leigh	Illinois, University of	An Outstanding Junior Investigator Proposal to Support Research in Quantum Field Theory and String Theory
	Vittorio Paolone	Pittsburgh, University of	Participation in FNAL Experiment E872: Direct Search For The Tau Neutrino
	Brian L. Winer	Ohio State University	Outstanding Junior Investigator Top Physics and Track Finding at CDF II
1996	Janet M. Conrad	Columbia University	Construction of a Decay Channel for the NuTeV Experiment at Fermilab
	Aida X. El-Khadra	Illinois, University of	Support Research on Standard Model Phenomenology with Lattice QCD
	David Gerdes	Johns Hopkins University	Top Quark Physics with an Upgraded CDF Tracking System
	Donna Naples	Kansas State University	Multisampling Drift Chamber for COSMOS and NuTeV
	Lynne H. Orr	Rochester, University of	Top Quark Physics and Related Issues in Phenomenology
	Larus Thorlacius	Princeton University	Strings, Membranes and Black Holes
1995	Claudio F. Campagnar	California, UCSB	Top Quark Physics and Electronics Upgrade at CDF
	Sarah Eno	Maryland, University of	Physics With the D0 Detector and the D0 Upgrade
	Maarten Golterman	Washington University	The Standard Model and Lattice Gauge Theory
	Krishna S. Kumar	Princeton University	Precision Electroweak Experiments with Polarized Electrons
	Martin J. Savage	Carnegie Mellon University	Studies in Theoretical Particle Physics
	Samson Shatashvili	Yale University	Duality and Conformal Field Theory Structures in 4d Supersymmetric Gauge Theories
	Elizabeth H. Simmons	Boston University	Particle Theory Beyond the Standard Model
1994	Michael Bershadsky	Harvard University	Topological String Theories
	Edward C. Blucher	Chicago, University of	Study Electroweak and B Physics in pp Collisions at 1.8 TeV
	Adam F. Falk	Johns Hopkins University	Research in Theoretical High Energy Physics
	Chang Kee Jung	New York, State Univ. of at Stony Brook	Experimental Searches for Phenomena Involving Nucleon Decays or Neutrino Oscillations with the Super-Kamiokande Detector
	Serguei Khlebnikov	Purdue University	Collective Phenomena in High Energy Collisions
	James Rosenzweig	California, UCLA	Development of an Asymmetric Emittance RF Photoinjector for Linear Collider Applications
	Mats A. Selen	Illinois, University of	Research and Development of a Cherenkov Correlated Timing Particle Identification System for High Luminosity E+E- Colliders
	German Valencia	Iowa State University	Projects on Rare Decays and Electroweak Symmetry Breaking

1993	Zvi Bern	California, UCLA	Next to Leading Order QCD Theoretical Physics Research under the DOE OJI Program
	John Ellison	California, UCR	Detector Development and a Measurement of the Wwy Coupling in the D0 Experiment
	Kim E. Griest	California, UCSD	Particle Dark Matter, the Early Universe, and Physics Beyond the Standard Model
	David Kutasov	Chicago, University of	Time Dependent Solutions in String Theory
	Leslie Rosenberg	MIT	Research and Development of High-Magnetic-Field High-Q Microwave Cavities in a Search for Pseudoscalar Dark Matter
	Thomasz Skwarnicki	Southern Methodist University	Third Generation Fermions in CLEO-II Construction of a Robust Detector for SSC
	Terrence P. Walker	Ohio State University	Astroparticle Physics
1992	R. Sekhar Chivukula	Boston University	Topics in Elementary Particle Physics
	John William Gary	California, UCR	A Study of Quark and Gluon Jets and of the Long Distance QCD Force Field at LEP
	Sanjib Mishra	Harvard University	A Next Generation High Energy Neutrino Experiment at the Fermilab Tevatron
	Jianwei Qiu	Iowa State University	Projects on Precision Tests of Quantum Chromodynamics
	Lisa Randall	MIT	Outstanding Junior Investigator Program - Electroweak Symmetry Breaking, Model Building, and Cp Violation
	Paul L. Tipton	Rochester, University of	Heavy Quark Physics with CDF
	Hitoshi Yamamoto	Harvard University	Develop a Particle Identification System Based on Time of Flight Measurement for B-Factory
1991	Dante E. Amidei	Michigan, University of	Exploit Secondary Vertex Information at the CDF Detector
	Steven Carlip	California, UCD	Quantum Gravity - Outstanding Junior Invesitgator Program
	Andrew G. Cohen	Boston University	Topics in Particle Physics
	K. K. Gan	Ohio State University	Prototype Study of a New Central Drift Chamber for CLEO II and Investigation of the T Paradox Using CLEO II - Outstanding Junior Investigator Program
	Gregory Kilcup	Ohio State University	Provide Reliable Calculations of Phenomenologically Relevant Parameter from Lattice QCD - Outstanding Junior Investigator Program
	Karol Lang	Texas, University of, Austin	Search for Very Rare Kaon Decays - Outstanding Junior Investigator Program
	Heidi Schellman	Northwestern University	Silicon Tracker Proposal for the D0 Upgrade - Outstanding Junior Investigator Program
1990	Steven B. Giddings	California, UCSB	Problems in Theoretical Physics - Outstanding Junior Investigator Program
	David H. Kaplan	California, UCSD	Studies in Theoretical Particle Physics
	Harry Nelson	California, UCSB	Study of Direct Cp Violation in the Neutral Kaon System - Outstanding Junior Investigator Program
	Krzysztof Sliwa	Tufts University	CDF (Collider Detector at Fermilab) - Outstanding Junior Investigator Program
	Alan Sokal	New York University	Improved Numerical Methods for Quantum Field Theory
1989	Anna Hasenfratz	Florida State University	Theoretical High Energy Elementary Particle Physics
	Paul E. Karchin	Yale University	High Energy Physics
	Kam-Biu Luk	California, UCB	Study of Hyperons and Beauty Particles - Outstanding Junior Investigator
	Aneesh V. Manohar	MIT	Laboratory for Nuclear Science-Outstanding Junior Investigator Program
	Milind V. Purohit	Princeton University	Experiment E-791 at Fermilab - Outstanding Junior Investigator Program
	Jeffrey Richman	California, UCSB	CCD Vertex Detector for SLD - Outstanding Junior Investigator Program
	Stephen Sharpe	Washington, University of	Lattice Calculations in the Standard Model

1988	Robert Brandenberger	Brown University	Physics in the Very Early Universe - - Outstanding Junior Investigator Program
	Nicholas Hadley	Yale University	High Energy Physics "Outstanding Junior Investigator Program"
	Daniel R. Marlow	Princeton University	A Multiprocessor Computer System for the Analysis of Data from Brookhaven Experiment E787 "Outstanding Junior Investigator Program"
	Ann E. Nelson	Stanford University	Studies in Theoretical Particle Physics
	Philip Nelson	Boston University	Research in Theoretical Particle Physics - Mathematical Structures in Physics - - - Outstanding Junior Investigator Program
	Patricia Rankin	Colorado, University of	Particle Physics Research "Outstanding Junior Investigator Program"
	Yau W. Wah	Chicago, University of	Measure the Cpt Violating Parameter of the Neutral Kaon System to 0.2 Accuracy and to Search for the Rare Kaon Decay Mode
	L. C. R. Wijewardhana	Cincinnati, University of	Investigations in Field Theory and Particle Physics
1987	Mark Bowick	Syracuse University	Aspects of Modern Elementary Particle Physics - Outstanding Junior Investigator Program
	Darwin Chang	Northwestern University	Theoretical Studies in High Energy Physics
	Emil J. Martinec	Chicago, University of	Topics in String Theory
	Michael Ogilvie	Washington University	Investigations in Quantum Field Theory (Outstanding Junior Investigators Program)
	Richard Partridge	Brown University	Experimental High Energy Physics - Outstanding Junior Investigator Program
	Wesley H. Smith	Columbia University	Develop the Calorimeter Trigger for Zeus at Hera
	Andrew Strominger	California, UCSB	Problems in Superstring Theory
1986	Daryl DiBitonto	Texas A & M University	Search for Diffractive Top at Tevatron Energies - Outstanding Junior Investigator Program
	Michael Dine	City College of New York	Beyond the Standard Model
	Paul Ginsparg	Harvard University	Topics in Field Theory - Outstanding Junior Investigator Program
	Steven Gottlieb	Indiana University	Investigations in Theoretical High Energy Physics - Outstanding Junior Investigator Program
	Thomas W. Kephart	Vanderbilt University	Investigations in Theoretical Elementary Particle Physics - Outstanding Junior Investigator Program
	Antti Niemi	Ohio State University	Topological Aspects of Quantum Field Theory, and of Finite Temperature Quantum Filed Theory
	Carl R. Rosenfeld	South Carolina, University of	Exploratory Particle Physics Using the AMY Detector
	Gregory Tarle	Michigan, University of	Development of Large Detectors for Monopoles and Neutrinos

1985	Eric Braaten	Northwestern University
	Daniel Caldi	Connecticut, University of
	Robert Cousins	California, UCLA
	George Gollin	Princeton University
	Howard Haber	California, UCSC
	Richard Kass	Ohio State University
	Sherwin Love	Purdue University
	William Molzen	Pennsylvania, University of
	Herbert Neuberger	Rutgers University
	Thomas Weiler	Vanderbilt University
1984	Harris Kagan	Ohio State University
	Wai-Yee Keung	Illinois, University of at
	David Leventhal	Florida State University
	William Louis	Princeton University
	Joseph Rohlf	Harvard University
	Qaisar Shafi	Bartol Research Institute
	Mark Wise	Caltech
1983	Ashok Das	Rochester, University of
	David Koltick	Purdue University
	So Young Pi	Boston University
	Amargit Soni	California, UCLA
	Scott Whitaker	MIT
1982	Thomas DeGrand	Colorado
	R. Hagstrom	Argonne National Laboratory
	John LoSecco	Caltech
	Paul Steinhardt	Pennsylvania, University of
	Michael Witherell	California, UCSB
1981	Kevin Cahill	New Mexico, University of
	Thomas Clark	Purdue University
	John P. Cumalat	Colorado, University of
	Thomas Curtright	Florida, University of
	Nilendra Deshpande	Oregon, University of
1980	George Brandenburg	MIT
	John C. Collins	Illinois Institute of Technology
	Marjorie Corcoran	Rice University
	Paul Frampton	North Carolina, University of
	David Hitlin	Caltech
	Joseph Kiskis	California, UCD
	Michael Marx	New York, State Univ. of at Stony Brook
	B. Robinson	Pennsylvania, University of
	Eli Rosenberg	Ames Laboratory, Iowa

1979	Emanuel Derman	Colorado, University of
	Michael Einhorn	Michigan
	William Fischler	Pennsylvania, University of
	R. Hendrick	St. Bonaventure University
	Ian Hinchliffe	Lawrence Berkeley Laboratory
	Richard Imlay	Louisiana State University
	Antal Jevicki	Brown University
	K. Mikaelian	Oklahoma State University
	Joseph F. Owens	Florida State University
	Ramamurti Shankar	Yale University
1978	Carl Bender	Washington University
	Robert Cahn	California, UCD
	Thomas Dombeck	Maryland, University of
	Thomas Gaisser	Bartol Research Institute
	T.-Y. Ling	Ohio State University
	Alan Litke	Stanford University
	Howard Nicholson	Mt. Holyoke College
	D. Potter	Rutgers University
	F. Taylor	Northern Illinois University
	Sau Lan Wu	Wisconsin, University of